



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/073,618	02/11/2002	Jian Cao	MSFT-0767/186581.1	4512

41505 7590 04/06/2006

WOODCOCK WASHBURN LLP (MICROSOFT CORPORATION)  
ONE LIBERTY PLACE - 46TH FLOOR  
PHILADELPHIA, PA 19103

EXAMINER

BILGRAMI, ASGHAR H

ART UNIT PAPER NUMBER

2143

DATE MAILED: 04/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/073,618

Applicant(s)

CAO ET AL.

Examiner

Asghar Bilgrami

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-58 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-58 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

#### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 01/09/2006 has been entered.

#### ***Claim Rejections - 35 USC § 112***

2. Claims 1, 18, 36 & 39 rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The "intelligent rules-based analysis" is not clearly described in the specification.
3. Claims 1, 18, 36 & 39 rejected under 35 U.S.C. 112, first paragraph, because the best mode contemplated by the inventor has not been disclosed. Evidence of concealment of the best mode is based upon lack of details regarding how "intelligent rules-based analysis" is performed in the invention.

*Claim Rejections - 35 USC § 102*

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claim 1-58 are rejected under 35 U.S.C. 102(e) as being anticipated by Schilling (U.S.

Pub No 2003/0182447 A1).

6. As per claims 1, 15-18, 36, 38, 39, 40, 55-57 & 58 Schilling disclosed a computing system, a method for providing runtime automatic universal resource locator (URL) analysis and suggestion in connection with a service accessed from a client computing device utilizing a URL input mechanism, comprising: inputting URL input to the URL input mechanism of the client computing device (page.2, paragraphs.10 & 16); analyzing the URL input and determining whether the LTRL input is valid and if invalid, transmitting said URL input to a server computing device for (page.2, paragraphs.17 & 18 & page.3, paragraphs 19 through 21) intelligent rules-based analysis of the invalid URL input; and suggesting at least one alternative URL based upon said analysis (page.2, paragraph.11 & page.3, paragraphs 19 through 21 & 23-24).

Art Unit: 2143

7. As per claims 2, 21 & 43 Schilling disclosed a method according to claim 1, wherein the at least one database of known URLs includes a dynamically updated database of current URLs (paragraphs.17, 19 & 26).

8. As per claims 3, 22 & 44 Schilling disclosed a method according to claim 1, wherein the at least one database of known URLs includes a top URL list checked before any other database (paragraphs.17, 19 & 26).

9. As per claims 4, 23 & 45 Schilling disclosed a method according to claim 3, wherein the at least one database of known URLs includes secondary list which is analyzed after the top URL list if at least one alternative URL is not found based on an analysis of the top URL list (paragraphs.17, 19 & 21).

10. As per claims 5, 24 & 46 Schilling disclosed a method according to claim 4, wherein the at least one database of known URLs includes a complete list of URLs which is analyzed after the secondary list if at least one alternative URL is not found based on an analysis of the secondary list (paragraphs.17, 19 & 21).

11. As per claims 6, 19 & 20 Schilling disclosed a method according to claim 1, further including preprocessing the URL input to at least one of (1) remove non-domain name service (DNS) characters (2) to replace non-DNS characters and (3) to correct an error in protocol (Page.3, paragraphs. 23, 24 & 27).

12. As per claims 7, 25 & 47 Schilling disclosed a method according to claim 1, wherein the client device includes a browser and the URL input is URL input intended for one of navigation to a Web site and search on a Web site (page.2, paragraph.16).

13. As per claims 8, 26 & 48 A method according to claim 1, further including displaying the suggested alternative URLs to the user via an error page (page.3, paragraph.24).

14. As per claims 9, 27 & 49 Schilling disclosed a method according to claim 8, further including performing a search with the URL input as a query and displaying the results of the search on the error page (page.3, paragraphs. 23 & 24).

15. As per claims 10, 28, 37 & 50 Schilling disclosed a method according to claim 8, further including displaying a link on the client computing device error page, which link, if input by the user, retries the original URL input (page.3, paragraph.24).

16. As per claims 11, 29 & 51 Schilling disclosed a method according to claim 8, further including tracking user behavior in response to the display of the error page.

17. As per claims 12, 30 & 52 Schilling disclosed a method according to claim 55, wherein the at least one database includes URLs that are weighted according to their popularity (page.1, paragraph.8).

Art Unit: 2143

18. As per claims 13, 31 & 53 Schilling disclosed a method according to claim 1, wherein said rules based analysis includes applying rules from a rules based table (paragraphs.17, 19 & 21).

19. As per claims 14, 32 & 54 Schilling disclosed a method according to claim 1, wherein said rules based analysis includes applying rules to the analysis based upon said at least one known URLs database (paragraphs.17, 19 & 21).

### ***Response to Arguments***

20. Applicant's arguments filed 06/03/2005 have been fully considered but they are not persuasive.

21. The applicant argued, by giving the example of the invention having the capability of changing .gov domain to .com and alleging that Shilling does not teach this.

22. As to applicant's argument the claim language in the independent claims only point towards proving alternative URL when an invalid URL is detected by utilizing intelligent rule – based analysis analysis. Although Schilling does not specifically used the words rules-based but schilling describes the functionality that has the capability (through resolver & address correction server) to perform the analysis on an incorrect URL & take appropriate actions to provide the correct option of the URL to the user (paragraphs.23 & 24. Additionally Schilling discloses that

Art Unit: 2143

the invention is modifiable so that various variations can be used to resolve different URLs (page.4, paragraph.27).

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Asghar Bilgrami whose telephone number is 571-272-3907. The examiner can normally be reached on M-F, 8:00-5:00PM.

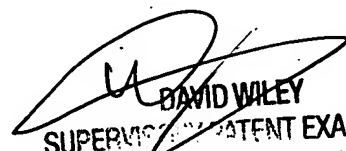
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



AB

Asghar Bilgrami  
Examiner  
Art Unit 2143



DAVID WILEY  
SUPERVISOR  
PATENT EXAMINER  
TECHNOLOGY CENTER 2100